

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Brian C. Banister

App. No.

10/080,751

Filed

February 22, 2002

For

METHOD AND APPARATUS FOR

GENERATING TRANSMIT

ADAPTIVE ANTENNA WEIGHTS WITH NULLING USING BINARY

**GRADIENT FEEDBACK** 

Group Art:

2611

Confirmation No.:

8423

Examiner:

Burd, Kevin Michael

hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope Mail Stop addressed to: Amendment, Commissioner for Patents, P.O. Box 1450. Alexandria, VA 22313-1450.

On: January 26, 2007

Barbara S. Kell

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the subject application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- (X) This Information Disclosure Statement is being filed after the receipt of a first Office Action in accordance with 37 CFR 1.97(c). Therefore, the fee in the amount of \$180 is being included in accordance with 37 CFR 1.97(c)(2).
- (XX) According to 37 CFR 1.98(2), we are not providing copies of the U.S. patent references listed on the attached Form SB-08A. All of the listed and attached references cited on Form SB-08B are in the English language.

01/30/2007 HLE333

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Respectfully submitted,

Date: January 26, 2007

Signature Lisa M. Griffith Registration No. 41,185

JAQUEZ & ASSOCIATES 6265 Greenwich Drive, Suite 100D San Diego, CA 92122 (858) 453-2004 (voice) (858) 453-1280 (fax)

PTO/SB/08A (09-06) Approved for use through 03/31/2007. OMB 0651-0031

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Substitute for form 1449/PTO

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known **Application Number** 10/080,751 Filing Date February 22, 2002 First Named Inventor **Brian Banister** Art Unit 2611 Burd, Kevin Michael **Examiner Name** Attorney Docket Number VIA-016-CIP

	U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
7KMB/	1	<sup>US-</sup> 6,031,866	02-2000	Oler, et al.				
/KMB/	2	<sup>US-</sup> 6,141,567	10-2000	Youssefmir, et al.				
/KMB/	3	<sup>US-</sup> 6,473,467	10-2002	Wallace, et al.				
7KMB/	4	<sup>US-</sup> 6,804,312	10-2004	Win, et al.				
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>	
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Examiner Signature	/Kevin M Burd/	Date Considered	06/18/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language

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Substitute for form 1449/PTO				Complete if Known		
Gusta	0101011111111111			Application Number	10/080,751	
INF	ORMATION	DIS	CLOSURE	Filing Date	February 22, 2002	
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Brian Banister	
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	(USO as many sno	<del>0</del> 15 85 11	<del>ocu</del> ssary)	Examiner Name	Burd, Kevin Michael	
Sheet	2	of	2	Attorney Docket Number	VIA-016-CIP	

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of			
/KMB/	5	BANISTER, et al., "Tracking Performance of a Stochastic Gradient Algorithm for Transmit Antenna Weight Adaptation with Feedback," May 2001, pp. 2965-2968, IEEE.			
/KMB/	6	BANISTER, et al, " A Stochastic Gradient Algorithm for Transmit Antenna Weight Adaptation with Feedback," 2001, pp. 314-317, IEEE.			
/KMB/	7	GERLACH, "Adaptive Transmitting Antenna Arrays with Feedback," 1994, pp. 150-152, IEEE.			
/KMB/	8	LIANG, "Forward Link Antenna Diversity Using Feedback for Indoor Communication Systems," September 1995, pp. 1396-1400, IEEE.			
/KMB/	9	GERLACH, "Adapative Transmitting Antenna Methods for Multipath Environments," 1994, pp. 425-429, vol. 1, IEEE Globecom.			
/KMB/	10	DERRYBERRY, et al., "Transmit Adaptive Arrays without User Specific Pilot," 3GPP2-C30-19990817-030, 1999, pgs. 1-4, 8/16-20, Portland, Oregon.			
/KMB/	11	HARRISON, "TX AA Parameter Recommendations," 3GPP2-C30-19990914-010, September 14, 1999, pp. 1-3, Tokyo, Japan.			
/KMB/	12	PEDERSEN, et al., "A Stochastic Model of the Temporal and Azimuthal Dispersion Seen at the Base Station in Outdoor Propagation Environments," (continued)			
/KMB/		(cont. from above) March 2000, pp. 437-447, Vol. 49, No. 2, IEEE Transactions on Vehicular Technology.			

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Examiner		Date	00/40/0000
Signature	/Kevin M Burd/	Considered	06/18/2008

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